

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
10/029,449	12/14/2001	Ercan Sen	2001P17155US

## Response To OFFICE ACTION

EXAMINER Hallyur, Venkatesh N.	
ART UNIT	PAGE NUMBER
2664	2

## AMENDMENTS TO THE CLAIMS

In the Claims, please make the following amendments:

1. (Currently Amended) A method for establishing resilient paths through an asynchronous transfer mode (ATM) network including at least an ingress media gateway, an egress media gateway, a first ATM switch, a second ATM switch, a link A connecting said egress media gateway to said first ATM switch, a link B connecting said first ATM switch to said ingress media gateway, a link C connecting said egress media gateway to said second ATM switch, a link D connecting said second ATM switch to said ingress media gateway, said method comprising:
  - a. setting up a primary Switched Virtual Channel (SVC) connection from said egress media gateway to said ingress media gateway by using a specified ATM end system address (AESA) of a port on said ingress media gateway over said link A; and,
  - b. setting up a backup SVC connection using the specified AESA from said egress media gateway to said ingress media gateway over said link C,

wherein at least one primary SVC connection and one backup SVC connection are established between said egress media gateway and said ingress media gateway over different routes for a same call between an egress end office and an ingress end office.
2. (Currently Amended) The method of claim 1 further comprising:
  - c. detecting a failure in said primary SVC connection; and,
  - d. switching a call connection between said egress end office and said ingress end office from said primary SVC connection to said backup SVC connection,

whereby if there is a failure in said primary SVC connection, the call connection between said egress and ingress end offices is switched to said backup SVC connection by an Automatic Protection Switching (APS) signal in a manner that is not dependent on a physical configuration of said ATM network and by using end-to-end supervision of a call connection path.
3. (Currently Amended) The method of claim 2 further comprising:
  - e. informing all affected SVCs of a failure status of said primary SVC connection through the backup SVC connection using said APS signal.
4. (Original) The method of claim 3 wherein said detecting step c. further comprises:
  - f. detecting an ATM switch failure.

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
10/029,449	12/14/2001	Ercan Sen	2001P17155US

Response To **OFFICE ACTION**

EXAMINER
----------

Haliyur, Venkatesh N.

ART UNIT	PAGE NUMBER
2664	3

5. (Original) The method of claim 3 wherein said detecting step c. further comprises:  
g. detecting a media gateway failure.
6. (New) A method comprising:  
at a softswitch connected to an ingress end office, an ingress media gateway, an egress media gateway, and an egress end office:  
causing a primary SVC connection to use a specified ATM end system address (AESA) at a first port on said ingress media gateway over a first set of links, said primary SVC connection between said egress media gateway and said ingress media gateway; and  
causing a backup SVC connection to use said specified AESA at a second port on said ingress media gateway over a second set of links, said backup SVC connection between said egress media gateway and said ingress media gateway.
7. (New) The method of claim 6, further comprising:  
receiving a signal from said ingress end office requesting a setup of said primary SVC connection.
8. (New) The method of claim 6, further comprising:  
receiving an SS7 signal from said ingress end office requesting a setup of said primary SVC connection.
9. (New) The method of claim 6, further comprising:  
sending a signal to said ingress media gateway regarding a setup of said primary SVC connection.
10. (New) The method of claim 6, further comprising:  
sending a MEGACO/MGCP signal to said Ingress media gateway regarding a setup of said primary SVC connection.

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
10/029,449	12/14/2001	Ercan Sen	2001P17155US

## Response To OFFICE ACTION

EXAMINER
----------

Hallyur, Venkatesh N.

ART UNIT	PAGE NUMBER
2664	4

11. (New) The method of claim 6, further comprising:  
sending a signal to said egress media gateway regarding a setup of said primary SVC connection.
12. (New) The method of claim 6, further comprising:  
sending a MEGACO/MGCP signal to said egress media gateway regarding a setup of said primary SVC connection.
13. (New) The method of claim 6, further comprising:  
sending a signal to said egress end office regarding a setup of said primary SVC connection.
14. (New) The method of claim 6, wherein said primary SVC connection is adapted for use by a Voice over ATM application.
15. (New) The method of claim 6, further comprising:  
receiving a notification of a detected link failure in said first set of links.
16. (New) The method of claim 6, further comprising:  
responsive to a notification of a detected link failure, switching to said backup SVC connection.
17. (New) The method of claim 6, wherein said first set of links comprises no common links with said second set of links.

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
10/029,449	12/14/2001	Ercan Sen	2001P17155US

## Response To OFFICE ACTION

EXAMINER
Hallyur, Venkatesh N.

ART UNIT	PAGE NUMBER
2884	5

18. (New) The method of claim 6, further comprising:  
sending a signal informing all affected Virtual Channel Connections (VCCs) of a detected failure.
19. (New) The method of claim 6, further comprising:  
sending a signal informing all affected Virtual Channel Connections (VCCs) of a detected failure via Automatic Protection Switching (APS) signaling.
20. (New) A method comprising:  
at a softswitch connected to an ingress end office, an ingress media gateway, an egress media gateway, and an egress end office, said egress media gateway connected to said egress end office by two pairs of connections:  
causing a primary SVC connection to use a specified ATM end system address (AESA) at a first port on said ingress media gateway over a first set of links, said primary SVC connection between said egress media gateway and said ingress media gateway, said first set of links comprising two primary links between a first ATM switch and said egress media gateway; and  
causing a backup SVC connection to use said specified AESA at a second port on said ingress media gateway over a second set of links, said backup SVC connection between said egress media gateway and said ingress media gateway, said second set of links comprising two backup links between a second ATM switch and said egress media gateway.